Exploring the Image Types of Secondary School Students' Perception about the Talented Person in Convergence

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This study aims to identify the image types of secondary school students' perception about the talented person in convergence and to find the differences in drawing images of the talented person in convergence among the students who have taken STEAM class and the ones who haven't. One hundred and eighty seven students in middle and high schools located in the southern part of South Korea participated in this study and they were asked to draw a picture of the talented person in convergence with a brief explanation. Based on students' pictures, researchers categorized their perception about convergence and talented person in convergence by using an inductive method. The result indicated that secondary school students' perceptions were categorized into convergence as individual cognitive processing and collective cognitive processing and convergence as outcomes. The image of the convergence in a talented person leaning toward individual cognitive processing was divided into the following seven types: idea banker type, various talented celebrity type, multi-tasking master type, multi-talented career type, active problem-solver type, creative developer type, and unrealistic ideal man type. Another image of collective cognitive processing was split into expert group type and interactive-mates group type. The other image was transformer type which is the subcategory of convergence as outcomes. From this study, it can be suggested that secondary school students express the various images of the talented person in convergence depending on experiencing STEAM or not.

Keywords: talented person in convergence, secondary school students, STEAM, image types